

Docket No.: M4065.0383/P383-C
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kie Y. Ahn et al.

Application No.: NOT YET ASSIGNED

Filed: January 20, 2004 Art Unit: N/A

For: **LOW-LOSS COPLANAR WAVEGUIDES
AND METHOD OF FABRICATION** Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Those patent(s) or publication(s) which are marked with an asterisk (*) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number

10/206,205, filed July 29, 2002 which is a divisional of 09/835,643 filed April 17, 2001 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0383/P383-C.

Dated: January 20, 2004

Respectfully submitted,

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	NOT YET ASSIGNED
				Filing Date	January 20, 2004
				First Named Inventor	Kie Y. Ahn
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	M4065.0383/P383-C

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	5,429,978	07-04-1995	Lu et al.*		
AB	4,575,700	03-1986	Dalman*		
AC	5,426,399	06-1995	Matsubayashi et al.*		
AD	5,447,887	09-05-1995	Filipiak et al.*		
AE	5,849,625	12-15-1998	Hsue, et al.*		
AF	6,140,688	10-31-2000	Gardner et al.*		
AG	6,255,698	07-03-2001	Gardmer et al.*		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CA	"Silicon Micromachined Waveguides for Millimeter-Wave and Submillimeter-Wave Frequencies" by William R. McGarth, Christopher Walker, Markus Yap, and Yu-Chong Tai, IEE Microwave and Guided Wave Letters, Vol. 3, No. 3, March 1993, Pages 61-63.*				T ²
CB	"Si and SiGe Millimeter-Wave Integrated Circuits" by Peter Russer, IEE Transactions on Microwave Theory and Techniques, Vol. 46, No. 5, May 1998, Pages 590-603*				
CC	Spigel et al., "Impact of Light Illumination and Passivation Layer on Silicon Finite Ground Coplanar Waveguide Transmission Line Properties", October 2000, IEE Transaction on Microwave Theory and Techniques, Volume 48, No. 10, pages 1673-1679.*				
CD	Yang et al., "Characteristics of Trenched Coplanar Waveguide for High Resistivity Si MMIC Applications", May 1998, IEE Transaction on Microwave Theory and Techniques, Volume 46, No. 5, pages 623-631.*				
CE	Hu et al., "Characteristics of Trenched Coplanar Waveguide for Si MMIC Applications", June 1997, IEE MTT-Digest, pages 735-738.*				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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